



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)



Bib Data Sheet

CONFIRMATION NO. 9977

SERIAL NUMBER 09/771,508	FILING DATE 01/24/2001 RULE	CLASS 370	GROUP ART UNIT 2661 2616	ATTORNEY DOCKET NO. PA010047
-----------------------------	-----------------------------------	--------------	--------------------------------	------------------------------------

## APPLICANTS

Khaled H. El-Maleh, San Diego, CA;  
 Arasanipalai K. Ananthapadmanabhan, San Diego, CA;  
 Andrew P. DeJaco, San Diego, CA;

## \*\* CONTINUING DATA \*\*\*\*\*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

## IF REQUIRED, FOREIGN FILING LICENSE

GRANTED \*\* 03/07/2001

Foreign Priority claimed	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after		
Verified and Acknowledged	<i>H. Wadsworth</i> Allowance Examiner's Signature		
	Initials		
STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
CA	6	22 21	8

## ADDRESS

Philip R. Wadsworth  
 Patent Department  
 QUALCOMM Incorporated  
 5775 Morehouse Drive  
 San Diego, CA 92121-1714

## TITLE

Enhanced conversion of wideband signals to narrowband signals

FILING FEE RECEIVED 1276	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
-----------------------------	-------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------